



Joint Committee on Tactical Shelters Bi-Annual Meeting with Industry & Exhibition

November 3, 2009

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Report Documentation Page				Form Approved OMB No. 0704-0188	
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1. REPORT DATE 03 NOV 2009		2. REPORT TYPE		3. DATES COVERED 00-00-2009 to 00-00-2009	
4. TITLE AND SUBTITLE Joint Committee on Tactical Shelters Bi-Annual Meeting with Industry & Exhibition				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Marine Corps Systems Command ,Shelters and Collective Protection Team,PM Combat Support Equipment,Quantico,VA,22134-6050				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES 6th Bi-Annual DOD JOCOTAS Meeting with Rigid & Soft Wall Shelter Industry & Indoor & Outdoor Exhibition, 2-4 Nov 2009, Panama City Beach, FL					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 16	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

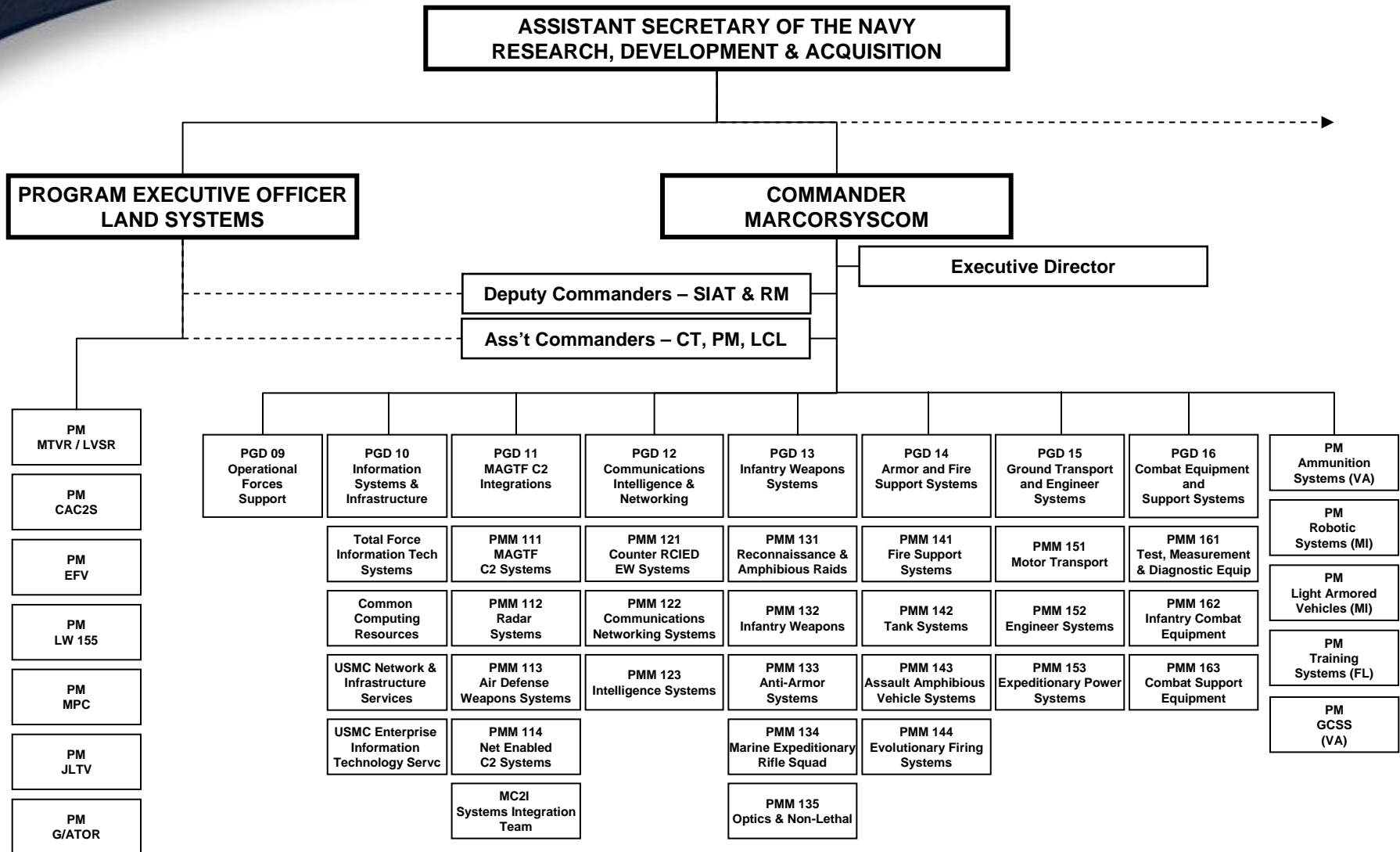


- Provide an information brief of current and future shelter initiatives focused at the tactical and expeditionary level within the Marine Corps
- Issues not being addressed:
 - In-depth details about each new initiative



To serve as the Commandant's principal agent for acquisition and sustainment of systems and equipment used by the Operating Forces to accomplish their war fighting mission.







Provide the material solutions (including: rigid wall shelters, soft wall shelters, collective protection, camouflage and respective supporting equipment) to protect the operating forces from observation, environments and combat hazards.



1. Change contracting policies to include the fully burdened cost of fuel and energy costs to be used as criteria.
2. Green Carrier Strike Group conducts local operations by 2012, and sail the Great Green Fleet by 2016.
3. **By 2015, reduce commercial vehicle petroleum use by 50% (biofuels, flex fuels, electric vehicles).**
4. By 2020, 50% of shore energy will be provided by alternative sources.
5. **By 2020, 50% of total energy consumption will be from alternative sources. (Currently using 17 percent renewable energy)**



- 13 August 2009: USMC Energy Summit
 - Create an USMC Energy Efficiency Office
 - Go to OEF AOR to get initial assessment
- 30 September 2009: Concurrence for establishment of Marine Corps Expeditionary Energy Policy Office as CMC Special Staff Division
 - Mission is to: ... *analyze, develop, and direct the Marine Corps' energy strategy in order to optimize expeditionary capabilities across all warfighting functions.*
- Sep: USMC Energy Team conducts assessment in OEF AOR
- Oct: Naval Energy Forum
- 2010 - Planned USMC Energy Symposium with industry
- 2010 - Planned follow-up OEF Energy Assessment



Liners

- Tent Liners in next generation tents for improved insulation

Foaming

- Foam application to tents in theater
 - Applied in OIF
 - Environmental and safety issues have halted foaming in OEF

Solar Panels

- Solar panel overlay for energy collection under evaluation
- Evaluations underway by USMC, Army, and USAF
- Included in NetZero JCTD





- No near term silver bullets can provide significant efficiency gains
- Potential near-term opportunities to Lighten the Load / increase Force Protection
 - Camp design and planning
 - Tactical Water Purification / Lightweight Water Purification Systems
 - Rechargeable batteries vice one-time use batteries
- Continued emphasis on R&D (mid-term) and S&T (far term) for future capabilities



Communication Electronics Equipment Maintenance Complex

- Communication Electronics Equipment Maintenance Complex
 - 12 Work Stations
 - R&D Composites EMI





- Re-compete of current Combat Tent with DSCP
- Evaluate the feasibility of reducing to 5.5 lbs
 - Maintain durability
 - Minimal cost impact





- Replacing the current 1950 legacy 10 Man Arctic Tent
 - Squad size Tent (13 Man)
 - Objective 300 sq ft/61 lbs
 - Request for Proposal anticipated 3rd Q FY210





Anticipated release of new RFP unknown





- Two-sided net (Woodland & Desert)
 - Using ULCANS specification
 - Standard ULCANS test protocols
 - Testing begins during 3rdQ 2010





- Total asset visibility of equipment
- Minimize “Maverick” shelters within the Marine Corps
- Reduce total number of shelters required



Questions

